

LOCATION: ST-1-473

HYDRAULIC CONDITIONS: Apparent Artesian

PERTINENT OBSERVATIONS: Alluvial aquifer

Anticipated static water level (pre-spud) at 400'. Water first observed at 477'. Drilled to 495' and borehole produced ample quantities of water (\approx 3-5 gpm). Drilled to 515' in order to have 40' of saturated alluvium to select screen and allow for slough; borehole produced ample quantities of water at 515'. Static water level measured at 431.6' (from g.L.). Alluvium in core interval 515'-522' consists primarily of semi-consolidated to consolidated sandy gravel. Artesian conditions due to low permeability barrier which probably consists of well indurated (cemented) alluvium.